



LEGEND

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THE TIME.

LOW WATER DATUM

ELEVATIONS AND PROJECT DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM, (1985) CORRESPONDING TO THE SLOPING SURFACE OF THE RIVER WHEN LAKE HURON IS AT ELEVATION 577.5. LAKE ST. CLAIR IS AT ELEVATION 572.5 FT AND LAKE ERIE IS AT ELEVATION 568.2, ABOVE MEAN MEAN WATER LEVEL AT NIAGARA, QUEBEC.

GRID COORDINATES

GRID SHOWN ARE BASED ON NATIONAL GEODETIC SURVEY PROJECTION TABLES, STATE OF MICHIGAN, SOUTH ZONE (2115), LAMBERT PROJECTION, 1983 NORTH AMERICAN DATUM.

DIRECTIONS

ALL DIRECTIONS ARE GRID AZIMUTHS REFERRED TO NORTH ZERO.

PROJECT DEPTHS ARE AS SHOWN ON DRAWING.

THE AUTOMATED ELECTRONIC SURVEY WAS CONDUCTED BY FRED DOUGLAS, PARTY CHIEF, ABOARD THE USACE SURVEY VESSEL WHEELER.

AUTOMATED EQUIPMENT USED

POSITIONING SYSTEM: TSS POS-MV
DATA PROCESSOR: DELL 350 PC
SOFTWARE: HYDRA
PLOTTER: CADJET 2
MULTI-BEAM SONAR: RESON SEABAT 8125

NOTES

1. GAGES USED WERE OBTAINED FROM NOAA ELECTRONIC GAGE HOUSE AT BLACK RIVER.
2. POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 828, LOCATED AT FORT WAYNE, DETROIT, MICHIGAN - FREQUENCY 319 KHZ, 200 BPS.
3. DEPTH MEASURED USING SEABAT 8125 ULTRA HIGH RESOLUTION FOCUSED MULTIBEAM ECHOSOUNDER SYSTEM.

SCALE: 1"=100'

U.S. ARMY ENGINEER DISTRICT, DETROIT
CORPS OF ENGINEERS
DETROIT, MICHIGAN

DESIGNED BY: _____ DATE: _____ REVISION: _____ BY: _____

ST. CLAIR RIVER CHANNEL
CS 1919+50 TO CS 1954+00
MULTI-BEAM SWEEP SURVEY RESULTS
MINIMUM STRIKE PLOT

APPROVAL: RECOMMENDED: _____ P.E.: _____ DATE: _____
CHIEF, PROJ. OPS. SEC. CHIEF, OPS. BRANCH

SCALE AS SHOWN

CHIEF, CONSTRUCTION - OPERATIONS DIVISION SHEET 18 OF 54 DRAWING NUMBER 804800803